

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A hydraulic control apparatus for a hydraulic servo unit that selectively changes an operation direction between a first direction when an oil is supplied from a first port and discharged from a second port and a second direction opposite to the first direction when the oil is supplied from the second port and discharged from the first port, the hydraulic control apparatus ~~characterized by~~ comprising:

a first oil flow control valve and a second oil flow control valve each having an oil supply control portion that controls an oil supply from a pressurized oil source, and an oil discharge control portion that controls a connection with an oil discharge passage; and

a control valve operation ~~control means~~ controller that controls each operation of the first and the second oil flow control valves,

wherein the first port receives an oil supply from the oil supply control portion of the first oil flow control valve, and discharges the oil through the oil discharge control portion of the second oil flow control valve,

wherein the second port receives the oil supply from the oil supply control portion of the second oil flow control valve, and discharges the oil through the oil discharge control portion of the first oil flow control valve,

wherein an operation state of the hydraulic servo unit is controlled by the control valve operation ~~control means~~ controller that controls each operation of the first and the second oil flow control valves,

wherein the hydraulic servo unit comprises a toroidal type continuously variable transmission.

Claim 2 (Currently Amended): The hydraulic control apparatus according to claim 1, wherein the control valve operation ~~control means~~ controller controls only the first oil flow control valve by interrupting the control of the second oil flow control valve that supplies the oil from the pressurized oil source and passes the oil into the oil discharge passage such that the operation direction of the hydraulic servo unit is selected to the first operation direction.

Claim 3 (Currently Amended): The hydraulic control apparatus according to claim 1 ~~or 2~~, wherein the control valve operation control means controls only the second oil flow control valve by interrupting the control of the first oil flow control valve that supplies the oil from the pressurized oil source and passes the oil into the oil discharge passage such that the operation direction of the hydraulic servo unit is selected to the second operation direction.

Claim 4 (Currently Amended): The hydraulic control apparatus according to ~~any one of claims 1 to 3~~ claim 1, further comprising an oil passage selection ~~means~~ unit that selectively changes an inlet between the first port and the second port.

Claim 5 (Currently Amended): The hydraulic control apparatus according to ~~any one of claims 1 to 4~~ claim 1, further comprising a depressurize oil supply ~~means~~ unit that supplies a pressurized oil from the pressurized oil source, which has been depressurized to at least one of the first and the second ports by bypassing the first and the second oil flow control valves.

Claim 6 (Original): The hydraulic control apparatus according to claim 5, wherein the hydraulic servo unit comprises a transmission for a vehicle, and the pressurized oil is supplied to a port to which the pressurized oil is supplied for an upshifting operation of the transmission by the depressurize oil supply unit.

Claim 7 (Currently Amended): The hydraulic control apparatus according to claim 5 ~~or 6~~, wherein the depressurize oil supply ~~means~~ unit is activated when one of the first and the second oil flow control valves fails to supply the pressurized oil.

Claim 8 (Currently Amended): The hydraulic control apparatus according to ~~any one of claims 5 to 7~~ claim 5, wherein an oil pressure of the pressurize oil source is temporarily increased when the depressurize oil supply ~~means~~ unit is operated.

Claim 9 (Currently Amended): The hydraulic control apparatus according to ~~any one of claims 5 to 8~~ claim 5, wherein a control for reducing a torque input to the hydraulic servo unit is executed when the depressurize oil supply unit is operated.

Claim 10 (Currently Amended): The hydraulic control apparatus according to ~~any one of claims 5 to 8~~ claim 5, wherein ~~the hydraulic servo unit comprises a toroidal type continuously variable transmission, and~~ an engine output of the vehicle is reduced when the depressurize oil supply ~~means~~ unit is operated.

Claim 11 (Original): The hydraulic control apparatus according to claim 1, wherein:
the toroidal type continuously variable transmission includes a roller supported by a support member and interposed between a pair of rotating members, and an actuator having a piston connected to the support member and an upper hydraulic chamber formed above the piston and a lower hydraulic chamber formed below the piston; and

the roller is deflected with respect to the rotating members while the actuator is displacing the support member in a vertical direction.

Claim 12 (Currently Amended): The hydraulic control apparatus according to claim 11, wherein the control valve operation ~~control means~~ controller serves to activate the second oil flow control valve when the toroidal type continuously variable transmission is operated in the first operation direction, and the first oil flow control valve fails to stop supplying the oil to the lower hydraulic chamber after a flow rate of the supplied oil exceeds a predetermined target value.

Claim 13 (Currently Amended): The hydraulic control apparatus according to claim 11 ~~or 12~~, wherein the control valve operation ~~control means~~ controller serves to activate the first oil flow control valve when the toroidal type continuously variable transmission is operated in the second operation direction, and the second oil flow control valve fails to stop supplying the oil to the upper hydraulic chamber after a flow rate of the supplied oil exceeds a predetermined target value.

Claim 14 (Currently Amended): A method of controlling a hydraulic control apparatus for a hydraulic servo unit that selectively changes an operation direction between a first direction when an oil is supplied from a first port and discharged from a second port and a second direction opposite to the first direction when the oil is supplied from the second port and discharged from the first port, the hydraulic control apparatus including a first oil flow control valve and a second oil flow control valve each having an oil supply control portion that controls an oil supply from a pressurized oil source, and an oil discharge control portion that controls a connection to an oil discharge passage, the method comprising ~~the steps of:~~

controlling an oil supply from the oil supply control portion of the first oil flow control valve and an oil discharge through the oil discharge control portion of the second oil flow control valve; and

controlling an oil supply from the oil supply control portion of the second oil flow control valve and an oil discharge through the oil discharge control portion of the first oil flow control valve,

wherein the hydraulic servo unit comprises a toroidal type continuously variable transmission.

Claim 15 (Original): The method according to claim 14, wherein the first oil flow control valve is only controlled by interrupting the control of the second oil flow control valve that supplies the oil from the pressurized oil source and passes the oil into the oil discharge passage such that the operation direction of the hydraulic servo unit is selected to the first operation direction.

Claim 16 (Currently Amended): The method according to claim 14 ~~or 15~~, wherein the second oil flow control valve is only controlled by interrupting the control of the first oil flow control valve that supplies the oil from the pressurized oil source and passes the oil into the oil discharge passage such that the operation direction of the hydraulic servo unit is selected to the second operation direction.

Claim 17 (Currently Amended): The method according to ~~any one of claims 14 to 16~~ claim 14, further comprising selectively changing an inlet between the first port and the second port.

Claim 18 (Currently Amended): The method according to ~~any one of claims 14 to 17~~
claim 14, wherein a pressurized oil from the pressurized oil source, which has been
depressurized, is supplied to at least one of the first and the second port by bypassing the first
and the second oil flow control valves.

Claim 19 (Currently Amended): The method apparatus according to claim 18,
wherein the pressurized oil from the pressurized oil source, which has been depressurized, is
supplied to at least one of the first and the second port by bypassing the first and the second
oil flow control valves when one of the first and the second oil flow control valves ~~fails~~ fail to
supply the pressurized oil.

Claim 20 (Currently Amended): The method according to claim 18-~~or 19~~, wherein an
oil pressure of the pressurize oil source is temporarily increased when the pressurized oil
from the pressurized oil source, which has been depressurized, is supplied.

Claim 21 (Currently Amended): The method according to ~~any one of claims 18 to 20~~
claim 18, wherein a control for reducing a torque input to the hydraulic servo unit is executed
when the pressurized oil from the pressurized oil source, which has been depressurized, is
supplied.

Claim 22 (Currently Amended): The method according to ~~any one of claims 18 to 21~~
claim 18, wherein ~~the hydraulic servo unit comprises a toroidal type continuously variable~~
~~transmission, and~~ an engine output of the vehicle is reduced when the pressurized oil from the
pressurized oil source, which has been depressurized, is supplied.

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